

- 📁 Drafts
 - 📄 phase and harmonic and parametric and "704"/\$.cccls. and @ad<"20000922"
 - 📄 phase and harmonic and parametric and "704"/\$.cccls.
 - 📄 phase and harmonic and "704"/\$.cccls.
 - 📄 phase adj index and "704"/\$.cccls.
 - 📄 phase and "704"/\$.cccls.
 - 📄 BRS: phase and harmonic and "704"/221-223.cccls
- 📁 Pending
- 📁 Active
 - 📄 L1: (17) phase and harmonic and parametric and "704"/221-223.cccls. and @ad<"20000922"
 - 📄 L2: (68952) (transmit\$ same phase)
 - 📄 L3: (379) (transmit\$ same phase) and "704"/\$.cccls.
 - 📄 L4: (60) (transmit\$ same phase) and "704"/221-223.cccls.
- 📁 Failed
 - 📄 transmit\$ same phase and @ad<"20000922" and 704/221-223.cccls.
 - 📄 (transmit\$ same phase) and @ad<"20000922" and 704/221-223.cccls.
 - 📄 (transmit\$ same phase) and @ad<"20000922" and 704/221-223.cccls.
 - 📄 (transmit\$ same phase) and 704/221-223.cccls.
- 📁 Saved
- 📁 Favorites
- 📁 Tagged (0)
- 📁 UDC
- 📁 Queue
- 📁 Trash

The screenshot shows a web-based search interface. At the top, there are buttons for "Search", "DB", "Browse", "Open", and "Clear". Below these, there is a search box containing "DBs" and a dropdown menu showing "USPAT". To the right of the search box is a checkbox labeled "Plural" which is unchecked. Below the search box, there is a label "Default operator:" followed by a dropdown menu showing "OR". To the right of this is a checkbox labeled "Highlight all hit terms initially" which is checked. Below these controls is a large text area containing the text "(transmit\$ same phase) and \"704\"/221-223.ccls." At the bottom of the interface, there is a row of buttons: "BRS form", "IS&P form", "Image", "Text", and "HTML".

Search [DB] [Browse] [Open] [Clear]

DBs [USPAT] ☐ Plural

Default operator: [OR] ☒ Highlight all hit terms initially

(transmit\$ same phase) and "704"/221-223.ccls.

[BRS form] [IS&P form] [Image] [Text] [HTML]

	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6785557 B2	20040831	6	Method of transmitting data, in particular GSM data	455/560	370/328; 370/523;	704/221	Mayer; Ralf			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6772126 B1	20040803	55	Method and apparatus for transferring low bit rate	704/500	704/222	704/222	Simpson; Floyd et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6691092 B1	20040210	31	Voicing measure as an estimate of signal	704/265	704/205; 704/208;	704/223	Udaya Bhaskar; Bangalore R. et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6691081 B1	20040210	15	Digital signal processor for processing voice messages	704/207	704/208; 704/214;	704/223	Huang; Jian-Cheng et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
5	<input type="checkbox"/>	<input type="checkbox"/>	US 6687666 B2	20040203	68	Voice encoding device, voice decoding device, recording	704/207	704/220; 704/221	704/221	Ehara; Hiroyuki et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
6	<input type="checkbox"/>	<input type="checkbox"/>	US 6608877 B1	20030819	12	Reduced complexity signal transmission system	375/377	704/219; 704/222	704/222	Wuppermann; Friedhelm et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
7	<input type="checkbox"/>	<input type="checkbox"/>	US 6556844 B1	20030429	7	Process for transmitting data, in particular GSM data	455/560	370/328; 370/523;	704/221	Mayer; Ralf		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
8	<input type="checkbox"/>	<input type="checkbox"/>	US 6549885 B2	20030415	69	Celp type voice encoding device and celp type voice	704/220	704/221; 704/225	704/221	Ehara; Hiroyuki et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
9	<input type="checkbox"/>	<input type="checkbox"/>	US 6502069 B1	20021231	21	Method and a device for coding audio signals and a	704/219	704/220; 704/221	704/221	Grill; Bernhard et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
10	<input type="checkbox"/>	<input type="checkbox"/>	US 6496797 B1	20021217	22	Apparatus and method of speech coding and decoding	704/220	704/223	704/223	Redkov; Victor V. et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
11	<input type="checkbox"/>	<input type="checkbox"/>	US 6493664 B1	20021210	31	Spectral magnitude modeling and quantization in a	704/222	704/221; 704/265	704/221; 704/222	Udaya Bhaskar; Bangalore R. et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US



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16 Pitch detection using the short-term phase spectrum

Charpentier, F.;

Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '86. , Volume: 11 , Apr 1986

Pages:113 - 116

[\[Abstract\]](#) [\[PDF Full-Text \(112 KB\)\]](#) IEEE CNF

17 Analysis of voiced speech by means of bispectrum

Boyanov, B.; Hadjitodorov, S.; Ivanov, T.;

Electronics Letters , Volume: 27 , Issue: 24 , 21 Nov. 1991

Pages:2267 - 2268

[\[Abstract\]](#) [\[PDF Full-Text \(180 KB\)\]](#) IEEE JNL

18 Co-channel speaker separation using constrained nonlinear optimization

Benincasa, D.S.; Savic, M.I.;

Acoustics, Speech, and Signal Processing, 1997. ICASSP-97., 1997 IEEE International Conference on , Volume: 2 , 21-24 April 1997

Pages:1195 - 1198 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(216 KB\)\]](#) IEEE CNF

19 Decomposition of speech signals into a periodic and non-periodic part based on sinusoidal models

Yannis, S.;

Electronics, Circuits, and Systems, 1996. ICECS '96., Proceedings of the Third IEEE International Conference on , Volume: 1 , 13-16 Oct. 1996

Pages:514 - 517 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(336 KB\)\]](#) IEEE CNF

20 Decomposition of speech signals into a deterministic and a stochastic

part*Stylianou, Y.;*

Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Conference on , Volume: 2 , 3-6 Oct. 1996

Pages:1213 - 1216 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(340 KB\)\]](#) [IEEE CNF](#)

21 Harmonic excitation LPC (HE-LPC) speech coding at 2.3 kb/s*Changchun Bao;*

Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on , Volume: 1 , 6-10 April 2003

Pages:I-784 - I-787 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(333 KB\)\]](#) [IEEE CNF](#)

22 Shape invariant time-scale modification of speech using a harmonic model*O'Brien, D.; Monaghan, A.;*

Acoustics, Speech, and Signal Processing, 1999. ICASSP '99. Proceedings., 1999 IEEE International Conference on , Volume: 1 , 15-19 March 1999

Pages:381 - 384 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(252 KB\)\]](#) [IEEE CNF](#)

23 IEEE Signal Processing Workshop on Higher-Order Statistics (Cat. No.93TH0539-7)

Higher-Order Statistics, 1993. IEEE Signal Processing Workshop on , 7-9 June 1993

[\[Abstract\]](#) [\[PDF Full-Text \(20 KB\)\]](#) [IEEE CNF](#)

24 A fast algorithm for generating sinusoids with polynomial phase*Marques, J.S.; Almeida, L.B.;*

Acoustics, Speech, and Signal Processing, 1991. ICASSP-91., 1991 International Conference on , 14-17 April 1991

Pages:2261 - 2264 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) [IEEE CNF](#)

25 Noise reduction using a soft-decision sine-wave vector quantizer*Quatieri, T.F.; McAulay, R.J.;*

Acoustics, Speech, and Signal Processing, 1990. ICASSP-90., 1990 International Conference on , 3-6 April 1990

Pages:821 - 824 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(408 KB\)\]](#) [IEEE CNF](#)

26 Co-channel speech separation based on sinusoidal model for speech*Zhao Heming; Zhou Xudong; Yu Yibiao;*

Signal Processing Proceedings, 2000. WCCC-ICSP 2000. 5th International Conference on , Volume: 2 , 21-25 Aug. 2000

Pages:815 - 818 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(292 KB\)\]](#) [IEEE CNF](#)

27 Pitch-congruent baseband speech coding

Arjmand, M.; Doddington, G.;
Acoustics, Speech, and Signal Processing, IEEE International Conference on
ICASSP '83. , Volume: 8 , Apr 1983
Pages:1324 - 1327

[\[Abstract\]](#) [\[PDF Full-Text \(120 KB\)\]](#) [IEEE CNF](#)

28 Time-variant least squares harmonic modeling

Qin Li; Atlas, L.;
Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003
IEEE International Conference on , Volume: 2 , 6-10 April 2003
Pages:II - 41-4 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(348 KB\)\]](#) [IEEE CNF](#)

29 A fourth-order stationarity and ergodicity conditions for harmonic processes

Blanco, D.; Ruiz, D.P.; Alameda-Hernandez, E.; Carrion, M.C.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal
Processing, IEEE Transactions on] , Volume: 52 , Issue: 6 , June 2004
Pages:1641 - 1649

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) [IEEE JNL](#)

30 New methods of pitch extraction

Sondhi, M.;
Audio and Electroacoustics, IEEE Transactions on , Volume: 16 , Issue: 2 , Jun
1968
Pages:262 - 266

[\[Abstract\]](#) [\[PDF Full-Text \(464 KB\)\]](#) [IEEE JNL](#)

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